

HEXANA BECOMES A MEMBER OF COGEN EUROPE

AIX-EN-PROVENCE
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HEXANA is proud to have joined COGEN as a new member from 1 April of 2025. This partnership marks an important step in strengthening Europe's transition to low-carbon, efficient, and resilient heat and power solutions.

HEXANA, an innovative start-up and winner of the FRANCE2030 program, is a spin-off of the French Alternative Energies and Atomic Energy Commission (CEA). The company is at the forefront of developing advanced modular reactors (AMR) that can operate in cogeneration mode, efficiently producing both power and high temperature heat (up to 500 degrees). The sodium-cooled modular fast neutron reactors are coupled with an integrated thermal storage system, offering a flexible and sustainable energy platform tailored to the needs of energy-intensive industries.

COGEN Europe, the European Association for the Promotion of Cogeneration, is the cross-sectoral voice of Europe's cogeneration industry. It aims to work with EU institutions and stakeholders to shape better policies and eliminate administrative, regulatory and market barriers to the wider use of cogeneration in Europe.

"We are pleased to join COGEN as part of our commitment to advancing innovative, efficient, and sustainable energy solutions. At HEXANA, we see cogeneration as a key enabler of Europe's clean energy transition—particularly for industries requiring high-temperature heat. Since heat is inherently difficult to transport, localized production is essential. In this context, CHP SMRs offer an opportunity to replace fossil fuels with clean, reliable, and local alternatives. We look forward to contributing to COGEN's work and encouraging other nuclear and low-carbon stakeholders to join this important initiative."

— **Sylvain NIZOU, CEO of HEXANA**

"We are delighted to have HEXANA join COGEN Europe at such a critical time in Europe's energy transition. We look forward to working closely with HEXANA to advance cogeneration, strengthen grid flexibility, and accelerate industrial decarbonization, contributing to a cleaner, more resilient energy future for Europe."

— **Hans KORTEWEG, Managing Director of COGEN Europe**

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As a member of COGEN Europe, HEXANA brings valuable expertise in high-temperature heat and carbon-free electricity production, offering solutions that support industrial decarbonization while ensuring energy security. The company's technology also enhances grid stability and facilitates the integration of renewable energy by storing surplus energy as high-temperature heat, which can be converted back into electricity when needed, strengthening the resilience of the power system.

Through its initiative, HEXANA also aims to contribute alongside its partners to the closure of the nuclear fuel cycle by fueling its reactors with reprocessed spent fuel. This circular energy and sustainable nuclear approach that could be achieved with a fleet of large fast breeder reactors, reduces waste volume and longevity while decreasing Europe's dependence on imported enriched uranium, ensuring sufficient EU resources for thousands of years.

About HEXANA

HEXANA, a start-up spun-off from the French Atomic Energy and Alternative Energies Commission (CEA), is developing an innovative energy platform that combines sodium-cooled fast neutron reactors (SFRs) with a thermal storage system. SFR is a proven technology with more than 400 years of cumulative experience worldwide, of which 140 years in Europe (from construction to decommissioning). HEXANA's solution delivers decarbonized, flexible, competitive, and sovereign energy tailored to industrial needs. Positioned as a credible alternative to fossil fuels, HEXANA leverages the legacy of the Phénix, Superphénix, and ASTRID projects, integrating unique expertise and decades of experience (more than 70 years of R&D and operation) to transform nuclear energy into a pivotal asset for the energy and climate transition.

Awarded with a France 2030 grant, HEXANA operates from offices in Aix-en-Provence, Paris, and Brussels. The company is a member of GIFEN, the European SMR Industrial Alliance, NuclearEurope, the Capénergies and Nuclear Valley clusters, France DeepTech, Forces Françaises de l'Industrie, La French Tech Aix-Marseille, COGEN, SNETP and Provence Fabrique des Possibles.

For further information, visit www.hexana.com

About COGEN Europe

COGEN Europe, the European Association for the Promotion of Cogeneration, is the cross-sectoral voice of Europe's cogeneration industry, established in 1993. Its mission is to work with EU institutions and stakeholders to shape better policies and eliminate administrative, regulatory and market barriers to the wider use of cogeneration in Europe. The association has 55 members including 16 national associations and 39 companies spanning the entire value chain of cogeneration – from technology manufacturers to end-users and consultancies.

COGEN Europe and its members are committed to the development and implementation by 2050 of a resilient, decentralised and carbon neutral European energy system that uses cogeneration solutions to support the take-up of renewable energy sources and complement other clean technologies whilst also empowering households, communities and businesses to generate electricity, heat and cooling in ways that are clean, efficient, reliable and affordable.

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